RadioShack®

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Super Slim Portable CD

with Car Kit and
40 Second Anti-Shock

Owner's Manual

Please read before using this equipment.

☐ *Contents*

❒ *The FCC Wants You to Know*

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult your local RadioShack store or an experienced radio/TV technician for help.

- If you cannot eliminate the interference, the FCC requires that you stop using your CD player.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

❑ *Features*

Your RadioShack Portable CD Player uses the latest digital audio technology to deliver the clean, crisp sound of compact discs. You can use the supplied lightweight headphones for private listening, or you can connect the CD player to your home audio system using an optional adapter.

Car Kit — the supplied DC adapter and CD-to-cassette adapter allow you to listen to your CD player through your vehicle's sound system.

Super Anti-Shock System — rapidly scans 40 seconds of data from the CD and stores it in memory for uninterrupted skip-free play, even when the CD player is exposed to shocks or vibration. This makes this CD player excellent for use in a vehicle.

Three Power Sources — let you power your CD player from two AA alkaline or rechargeable Ni-Cd batteries, your vehicle's battery (using the supplied car kit), or standard AC power (using an optional AC adapter).

Twelve-Hour Battery Life — lets you play your CD player for up to 12 hours with the anti-shock feature turned off.

Auto Power Off — automatically turns off the CD player 30 seconds after it finishes playing (or when you press **STOP** without pressing another button) to help preserve battery life.

Hold — locks most controls to prevent the CD player's control settings during play and preserve battery life.

1-Bit DAC — uses the latest in digital-to-analog conversion circuitry to accurately reproduce all sound levels with virtually no distortion.

Eight-Times Oversampling with Digital Filtering — improves the CD's sound by multiplying the standard 44.1 kHz sample rate by eight and using a digital filter to reduce or eliminate distortion.

Intro Scan — scans and plays the first 10 seconds of each track, so you can find a specific track.

Programmable Play — lets you program and play up to 20 tracks in any sequence you choose.

Repeat Play — lets you automatically repeat a single track, an entire CD, or a programmed sequence.

Random Play — lets you randomly select and play tracks from the loaded CD in the player.

Automatic Search Music System (ASMS) — lets you quickly locate and play any track on a CD.

CDs that can be played on this CD player have this mark on them:

The CD player's advanced technology makes it simple to operate. However, be sure you read this Owner's Manual completely so you can take advantage of all its advanced features.

☐ *Powering the CD Player*

You can power your CD player from any of these sources:

• two AA alkaline batteries (not supplied)

• two rechargeable AA nickel-cadmium (Ni-Cd) batteries (RSU 11672508, not supplied)

• vehicle battery power using the supplied car kit

• standard AC power using a regulated AC adapter (not supplied)

Notes:

• The CD player senses whether or not the batteries you install are rechargeable and turns on the charging circuit or disconnects the batteries accordingly.

• If you connect an AC or DC adapter to the CD Player, you can set the CD player to charge RSU 11672508 Ni-Cd batteries inside the CD player's battery compartment (see "Recharging Nickel-Cadmium Batteries" on

Page 6). If you plan to use this feature, you must use the recommended batteries.

USING BATTERIES

Your CD player can use two AA batteries (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

You can also use rechargeable Ni-Cd batteries to power your CD player.

Cautions:

• Use only fresh (or freshly charged) batteries of the required size and recommended type.

• Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.

Note: Before you use the CD player with Ni-Cd batteries, you must charge them, either in an external battery

charger (not supplied, available at your local RadioShack store) or in the CD player (see "Recharging Nickel-Cadmium Batteries" on Page 6).

1. Slide the battery compartment cover in the direction of the arrow and lift it up.

   Caution: The battery compartment cover is hinged. Do not try to remove it.

2. Place the batteries in the compartment and on top of the attached ribbon, as indicated by the polarity symbols (+ and −) marked outside the compartment.

3. Replace the cover.

When ⊏⊐ appears, the sound becomes weak or distorted, or the CD player stops operating properly, replace the batteries.

Warning: Dispose of old batteries promptly and properly. Do not burn or bury them.

Caution: If you do not plan to use the CD player with batteries for a month or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

Recharging Nickel-Cadmium Batteries

If you connect an AC or DC adapter to the CD player (see "Using AC or DC Power" on Page 7), you can set the CD player to charge Ni-Cd batteries (RSU 11672508) inside the CD player's battery compartment.

Cautions:

• Use only an AC or DC adapter that meets the specifications in "Using AC or DC Power" on Page 7 to recharge the batteries in the CD player. Other adapters could damage your CD player or the batteries.

• Ni-Cd batteries charge more efficiently if the temperature is above 40°F (4.5°C) and below 90°F (32°C).

1. Place two Ni-Cd batteries on top of the attached ribbon in the compartment, as indicated by the polarity symbols (+ and −) marked outside the compartment.

2. Connect an AC or DC adapter to your CD player. The CD player starts to charge the batteries and the CHARGE indicator lights.

3. When the batteries are fully charged (about 16 hours), disconnect the AC or DC adapter.

Important: The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participat-

ing in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.

USING AC OR DC POWER

You can power the CD player using a 4.5V, 600 mA regulated AC adapter (not supplied) or DC adapter (supplied) and a size B Adaptaplug™ connector (not supplied). Both are available at your local RadioShack store.

Cautions:

- You must use a (Class 2 for AC) power source that supplies 4.5V DC and delivers at least 600 mA. Its center tip must be set to positive and its plug must fit the CD player's **DC IN 4.5V** jack. Using an adapter that does not meet these specifications could damage the CD player or the adapter.

- Always connect the AC adapter to the CD player before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the CD player.

1. If you use an AC adapter, insert the size B Adaptaplug into the adapter's cord so it reads TIP +.

2. If necessary, set the adapter's voltage switch to 4.5V.

3. Insert the barrel plug into the CD player's **DC IN 4.5V** jack.

4. Plug the other end of the adapter into a standard AC outlet or a 12V power source.

☐ *Connections*

You can listen to your CD player by connecting the supplied headphones, optional earphones, or optional amplified speakers to the CD player's **PHONES** jack, or by connecting a home audio sound system to the CD player's **LINE OUT** jack.

Note: Your local RadioShack store carries a wide variety of cable and adapters.

CONNECTING EARPHONES OR HEADPHONES

For private listening, connect the supplied headphones or optional earphones with a 1/8-inch (3.5 mm) plug into the CD player's **PHONES** jack.

Listening Safely

To protect your hearing, follow these guidelines when you use an earphone or headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.

- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.

- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

Traffic Safety

Do not wear an earphone or headphones while operating a motor vehicle or riding a bicycle. This can create a traffic hazard and could be illegal in some areas.

Even though some earphones or headphones let you hear some outside sounds when listening at normal volume levels, they still can present a traffic hazard.

CONNECTING AMPLIFIED SPEAKERS

To listen to your CD player through amplified speakers, plug the speaker cable's 1/8-inch (3.5-mm) plug into the CD player's **PHONES** jack.

CONNECTING TO A HOME AUDIO SYSTEM

To listen to your CD player through your home audio system's amplifier/receiver and speakers, connect an optional Y-cable's 1/8-inch (3.5-mm) plug to the CD player's **LINE OUT** jack. Then connect the Y-cable's phono plugs to your audio system's left and right CD, AUX, or TV audio input jacks.

CONNECTING TO AN AUTO SOUND SYSTEM

You can listen to your CD player through your vehicle's sound system in one of the following ways:

- If your auto sound system has a cassette deck, connect the supplied CD-to-cassette adapter's plug to the CD player's **LINE OUT** jack. Then insert the adapter's

other end into your cassette deck just like a standard cassette.

- If your auto sound system has LINE IN jacks, connect an optional Y-cable's $^1/_8$-inch (3.5-mm) plug to the CD player's **LINE OUT** jack. Then connect the Y-cable's phono plugs to your auto sound system's LINE IN input jacks.

- If your auto sound system has a CD input jack, connect one end of a $^1/_8$-inch (3.5-mm) stereo patch cable to the CD player's **LINE OUT** jack. Then connect the other end to your auto sound system's CD INPUT jack.

To avoid sound distortion, set **VOL** to the lowest comfortable listening level and adjust it as necessary.

Note: You can mount your CD player in your car using an optional mounting bracket. Your local RadioShack store has a complete line of mounting brackets and hardware.

❒ *Operation*

LOCKING THE CONTROLS

You can protect your CD player from accidental program changes by locking all controls (except **E-BASS ON/OFF**, **VOL**, and **OPEN**).

To lock the controls, slide **HOLD** in the direction of the arrow. **HOLD** appears.

To unlock the controls, slide **HOLD** in the opposite direction from the arrow.

Note: The controls must be unlocked before you can turn on the CD player.

LOADING A CD

Caution: To help prevent dust from entering the CD player, always keep the CD compartment cover closed except when loading or unloading CDs.

Remove the protective sheet from inside the CD compartment before operating the CD player.

1. While power is on, slide **OPEN** in the direction of the arrow and lift the CD compartment cover. **OPEN** appears.

2. Carefully place a CD, label side up, over the center hub inside the CD compartment. Then gently press the CD down over the center hub.

3. Close the compartment cover.

The CD begins play after – – and the total number of tracks and playing time appear briefly.

Note: To remove a CD, lift up the CD while pressing the center hub's button.

PLAYING A CD

Warning: To protect your hearing if you are using earphones or headphones, set **VOL** to its lowest setting before you play a CD.

1. Press ►/II. The CD player automatically turns on. **40 SEC** appears briefly and the anti-shock icon appears, – – flashes, and the total number of tracks and total elapsed playing time appear briefly. Then track 1 begins to play.

   Notes:

   • If **DISC** appears, no CD is currently loaded. Load a CD and press ►/II again.

   • If you press ►/II and **HOLD** appears, slide **HOLD** in the opposite direction from the arrow and try again.

2. If you connected earphones, headphones, or amplified speakers to the CD player's **PHONES** jack, use **VOL** on the CD player to adjust the volume.

3. If you connected the CD player to your home audio system or vehicle's sound system system using the **LINE OUT** jack, use the system's volume control to adjust the volume.

4. To temporarily stop play, press ►/II. The elapsed time flashes. To resume play, press ►/II again.

When the last track finishes playing, the CD stops and the display shows the total number of tracks and total playing time of the CD for about 30 seconds, then the CD player automatically turns off. To turn it off sooner, press ■.

USING SUPER ANTI-SHOCK SYSTEM (SAS)

Your CD player has a special circuit to overcome sound skipping problems caused by shock or vibration. This means you can carry the CD player anywhere you go, or use it in your vehicle. When you turn on the anti-shock system, the CD player continuously saves 40 seconds of music in its memory. During a shock or vibration that would normally make a track skip or pause, the CD player plays directly from memory.

The CD player is preset to turn on the anti-shock system at start up. Repeatedly press **SAS** to turn anti-shock on or off. The anti-shock icon ☰ appears when anti-shock is on.

Notes:

- The CD player consumes additional battery power when you use the anti-shock system. When you use the CD player in a stable location, turn off anti-shock to save battery power.

- When you press **SAS** to turn anti-shock on or off, the CD player's sound briefly cuts out for about 2 seconds.

USING AUTOMATIC SEARCH MUSIC SYSTEM (ASMS)

You can use ASMS before or during regular or programmed play to quickly locate any track on a CD.

While the CD is stopped, repeatedly press ◄◄ or ►► to move backward or forward to the desired track. Press ►/II to play the track.

During play, press ◄◄ to return to the beginning of the current track. Press ◄◄ twice to return to the beginning of the previous track. To move to the beginning of the next track, press ►►.

USING E-BASS

To enhance the bass sound, slide **E-BASS ON/OFF** to **ON**. To return to normal bass sound, slide **E-BASS ON/OFF** to **OFF**.

USING AUDIBLE SEARCH

To search forward or backward during play, hold down ◄◄ or ►►. The CD plays rapidly and you hear the sound at a faster speed and lower volume. The current track's elapsed time appears on the display.

Release ◄◄ or ►► to resume normal play.

Note: If you hold down ►► while the last track is playing, audible search stops at the end of the last track. If you hold down ◄◄ during the first track, audible search stops at the beginning of the first track, then starts playing track 1.

USING INTRO SCAN

You can set the CD player to play the first 10 seconds of each track on the CD, so you can find the track you want to listen to.

To begin scanning while a CD is playing, repeatedly press **MODE** until **INTRO** flashes. Intro scan starts after the current track ends.

To begin scanning from the first track, repeatedly press **MODE** until **INTRO** appears, then press ►/II. Intro scan starts from the first track.

The CD player stops after the last track is intro scanned. To stop intro scan during play sooner, repeatedly

press **MODE** until **INTRO** disappears and the CD player resumes normal play with the current track.

Note: You can use ◄◄ or ►► to skip through the tracks during scanning.

USING REPEAT PLAY

You can repeat a single track on the CD, all tracks on the CD, or a programmed sequence (see "Using Programmed Play").

To repeat a single track, press **MODE** while the desired track is playing so ⌐⌐1 appears. The CD player continuously replays the selected track.

To repeat all tracks on a CD or in a programmed sequence (see "Using Programmed Play"), repeatedly press **MODE** until ⌐⌐ **ALL** appears.

When the CD player reaches the end of the CD or the programmed sequence, it returns to the first track and replays all the tracks.

To cancel repeat play, repeatedly press **MODE** until ⌐⌐1 or ⌐⌐ **ALL** disappears.

USING RANDOM PLAY

You can have the CD player randomly play all the tracks (once in random order), then automatically stop.

To start random play, repeatedly press **MODE** until **SHUFF** appears, then press ►/II.

To start random play from the current track, repeatedly press **MODE** until **SHUFF** appears. Random play begins after the current track ends.

To cancel random play, repeatedly press **MODE** until **SHUFF** disappears.

USING PROGRAMMED PLAY

You can program up to 20 tracks from the loaded CD to play in any order you choose, and you can program the same track to play more than once.

1. While power is on, press **PROG**. **PROG** flashes on the display.

2. Repeatedly press either ◄◄ or ►► to display the number of the first track you want to store.

3. Press **PROG** again to store the selected track number and advance to the next selection number.

   Note: If the CD is playing while programming, when you press ■ to cancel program mode, the CD continues play.

4. Repeat Steps 2 and 3 for each track you want to store, up to 20 tracks in all.

   Note: If you try to store more than 20 tracks in memory, the CD player stores each consecutive track over the first tracks stored.

5. To play the programmed sequence, press ▶/ll. The first track in the sequence plays.

   While the sequence plays, you can press ◄◄ or ►► to move backward or forward in the sequence.

6. After the last programmed track ends, the CD player stops. To stop the CD sooner, press ■.

You can replay the programmed sequence within 30 seconds after play stops. Otherwise, the CD player turns off and clears the programmed sequence.

To replay the programmed sequence, press **PROG** so **PROG** flashes, then press ▶/ll.

To review the programmed track numbers, press **PROG** repeatedly.

To clear the programmed sequence from memory, press ■ twice or open the CD compartment cover.

❐ *Troubleshooting*

If you have problems operating your CD player, try these suggestions. If they do not solve the problem, contact your local RadioShack service center for assistance.

Problem	Possible Cause	Solution
The CD player does not work.	The CD player is set to **HOLD**.	Slide **HOLD** in the opposite direction from the arrow.
	No power.	Make sure the batteries are fresh.
		Make sure the AC or DC adapter is properly connected. See "Using AC or DC Power" on Page 7.
		If you are using a DC adapter to power the CD player, make sure the adapter's fuse has not blown. See "Replacing the DC Adapter's Fuse" on Page 15.

Problem	Possible Cause	Solution
A CD is loaded, but the CD player does not start.	The CD is loaded upside-down.	Reload the CD, label side up.
	The CD is dirty or defective.	Clean the CD and reload it, or try a different CD. See "CD Care Tips" on Page 14.
The CD skips.	The CD is dirty or defective.	Clean the CD and reload it, or try a different CD. See '"CD Care Tips."
	Vibration is excessive.	Turn on anti-shock. See "Using Super Anti-Shock System (SAS)" on Page 10.
		Place the CD player in a different location.
	Moisture has condensed on the pickup lens.	Wait 1 hour for the moisture to evaporate.

CARE

Keep the CD player dry; if it gets wet, wipe it dry immediately. Use and store the CD player only in normal temperature environments. Handle the CD player carefully; do not drop it. Keep the CD player away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the CD player's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your CD player is not performing as it should, take it to your local RadioShack store for assistance.

CD Care Tips

Even though a compact disc is durable, treat the CD surface with care.

- Do not write on either side of the CD, particularly the non-label side (signals are read from the non-label side).

- Do not store CDs in high temperature or high humidity areas. They might warp.

- Keep CDs dry. A water drop can act as a lens and affect the laser beam's focus.

- Always handle a CD by the edges to avoid fingerprints and always keep it in its protective case or sleeve when it is not in use. Fingerprints and scratches

on the CD's surface can prevent the laser beam from correctly reading the digital information. If the CD gets scratched, use RadioShack CD repair kit to repair the disc.

- Keep the CD inside the CD player or in its protective case or sleeve when you are not playing it.

- Handle a CD by its edges to avoid fingerprints that can prevent the CD player's laser beam from accurately reading the CD. Your local RadioShack store sells a suitable CD cleaner kit.

- Never use chemicals such as record cleaning sprays, anti-static sprays or fluids, benzene, or thinner to clean CDs. These chemicals will permanently damage the plastic surface of the CD.

- If a CD skips when you try to play it, the CD might be scratched.

Your local RadioShack store sells a CD repair kit that might stop the skip.

Replacing the DC Adapter's Fuse

If the CD player stops operating, check the fuse in the DC adapter's cigarette-lighter plug. If it has blown, replace it with a 1-amp, 5 × 20 mm, fast-acting fuse (not supplied, available at your local RadioShack store).

Caution: Do not use a fuse with ratings other than those specified here. Doing so might damage your CD player.

1. Carefully unscrew the tip of the cigarette-lighter plug.

2. Remove the old fuse and check it to see if it is blown. If it is blown, replace it with a new fuse.

3. Thread the cigarette-lighter plug's tip back onto the body.

☐ *Specifications*

Audio

Frequency Response .... 20–20,000 Hz (±3 dB)
Dynamic Range .... 80 dB
Signal-to-Noise Ratio .... 80 dB
Harmonic Distortion at 1 kHz 0.15%
Separation at 1 kHz .... 60 dB
Wow/Flutter .... Not Measurable
Earphones Output (10% THD at 32 Ohm) .... 15 mW + 15 mW
Line Output .... 0.6 V

Signal Format

Sampling Frequency .... 44.1 kHz
Oversampling .... 8 Times
Quantization Number .... 1-Bit Linear/Channel
Transmission Bit Rate .... 4.3218 Mb/Second
Signal-Processing Rate .... 352.8 kHz

Pick-Up

Tracking System .... 3-Beam Tracking Servo Type
Object Lens Drive System .... 2-Dimensional Parallel Drive
Optical Source .... Semiconductor Laser
Wavelength .... 780 nM

General

Power Requirements .... DC 3V
2 AA Alkaline or Rechargeable Ni-Cd Batteries (not supplied)
DC Adapter (supplied)
AC Adapter (not supplied)

Power Consumption 8W
Battery Life (EIAJ Method) .... 12 hours (with anti-shock off)
Dimensions (HWD) .... $1 \times 5^3/_{16} \times 5^2/_3$ in (25.5 $\times$ 132 $\times$ 144 mm)
Weight (without batteries) .... 7.09 oz (201g)
Included Accessories .... Headphone, Car Kit

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.